# Learning Objectives: ANSI/ASNT CP-105- 2016 Section 2,3, 5 & 6

Upon completion of this unit, the student will be able to define and understand the following:

* Review of Units 1 & 2
	+ ALARA
	+ Radiation Intensity units
* Time, Distance & Shielding…
* More Science: (2.0 Fundamental Properties of Matter)
	+ Isotopes
	+ Stable vs. Unstable atoms
	+ Radioactive half-life
	+ Radioactive Decay
	+ Specific Activity
	+ Fission
	+ Fusion
* More Math:
	+ Inverse Square Law
	+ Calculating Half-Life and Activity of Gamma Sources

**Learning Activities:**

* + Lecture and discussion

**Learning Resources:**

* + Units of measurement handout
	+ Glossary

**Evaluation:**

* + Inverse SQ. Law Worksheet #1
	+ Article Review #4